

12-10-01

A

12/06/01  
U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

## (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
90065.161701

Total Pages in this Submission

**TO THE ASSISTANT COMMISSIONER FOR PATENTS**Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A MULTIPLE PASS  
CONFIGURATION**

and invented by:

Malcolm R. Schuler, Robert F. Longenberger, Rodney S. Ridley, Sr., Thomas E. Grebs, Michael A. Caravaggio,  
Raymond J. Webb, Jason R. Trost, Terry L. Fenstermacher

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 09/829,634  
Which is a: divisional of 09/344,867, Filed June 28, 1999 Filed: 4/10/01

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**1.  Filing fee as calculated and transmitted as described below2.  Specification having 12 pages and including the following:

- a.  Descriptive Title of the Invention
- b.  Cross References to Related Applications (if applicable)
- c.  Statement Regarding Federally-sponsored Research/Development (if applicable)
- d.  Reference to Microfiche Appendix (if applicable)
- e.  Background of the Invention
- f.  Brief Summary of the Invention
- g.  Brief Description of the Drawings (if drawings filed)
- h.  Detailed Description
- i.  Claim(s) as Classified Below
- j.  Abstract of the Disclosure

10/008623  
US PTO  
12/06/01

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Larg Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
90065.161701

Total Pages in this Submission

**Application Elements (Continued)**

3.  Drawing(s) (when necessary as prescribed by 35 USC 113)  
a.  Formal Number of Sheets 4  
b.  Informal Number of Sheets \_\_\_\_\_

4.  Oath or Declaration  
a.  Newly executed (original or copy)  Unexecuted  
b.  Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)  
c.  With Power of Attorney  Without Power of Attorney  
d.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).

5.  Incorporation By Reference (usable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under  
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.

6.  Computer Program in Microfiche (Appendix)

7.  Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)  
a.  Paper Copy  
b.  Computer Readable Copy (identical to computer copy)  
c.  Statement Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

8.  Assignment Papers (cover sheet & document(s)) Copy of prior application Assignment of  
Record to INTERSIL CORPORATION

9.  37 CFR 3.73(B) Statement (when there is an assignee)

10.  English Translation Document (if applicable)

11.  Information Disclosure Statement/PTO-1449  Copies of IDS Citations

12.  Preliminary Amendment

13.  Acknowledgment postcard

14.  Certificate of Mailing

First Class  Express Mail (Specify Label No.): EL799800555US

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
90065.161701

Total Pages in this Submission

**Acc mpanying Application Parts (C ntinued)**

15.  Certified Copy of Priority Document(s) *(if foreign priority is claimed)*

16.  Additional Enclosures *(please identify below):*

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

17.  Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**Warning**

*An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.*

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
90065.161701

Total Pages in this Submission

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	3	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	2	- 3 =	0	x \$84.00	\$0.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				<b>BASIC FEE</b>	<b>\$740.00</b>
OTHER FEE (specify purpose)					\$0.00
				<b>TOTAL FILING FEE</b>	<b>\$740.00</b>

A check in the amount of \$776.00 to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge and credit Deposit Account No. 10-0223 as described below. A duplicate copy of this sheet is enclosed.

Charge the amount of \_\_\_\_\_ as filing fee.

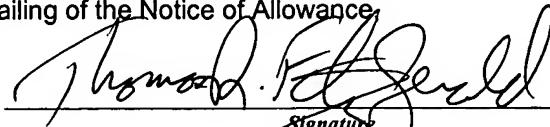
Credit any overpayment.

Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance pursuant to 37 C.F.R. 1.311(b).

Dated: December 6, 2001

CC:

  
Signature  
Thomas R. FitzGerald, Esq.  
Reg. No. 26,730  
JAECKLE FLEISCHMANN & MUGEL, LLP  
39 State Street  
Rochester, New York 14614-1310  
Tel: (716) 262-3640  
Fax: (716) 262-4133

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Malcolm R. Schuler, et al.

Docket No.

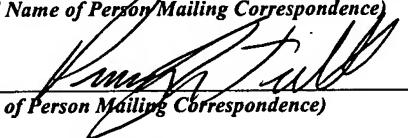
90065.161701

Serial No.  
TBAFiling Date  
HerewithExaminer  
P. Coe (Recommended)Group Art Unit  
1746Invention: **POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A MULTIPLE PASS  
CONFIGURATION**

I hereby certify that the following correspondence:

**Utility Patent Application Transmittal Letter (Large Entity) (4 pgs)***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

December 6, 2001*(Date)***Penny R. Turrell***(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)***EL799800555US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Malcolm R. Schuler, et al.**

Docket No.

**90065.161701**Serial No.  
**TBA**Filing Date  
**Herewith**Examiner  
**P. Coe (Recommended)**Group Art Unit  
**1746**Invention: **POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A MULTIPLE PASS  
CONFIGURATION**

I hereby certify that the following correspondence:

**Preliminary Amendment (1 pg)***(Identify type of correspondence)*is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on**December 6, 2001***(Date)***Penny R. Turrell***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EL799800555US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Malcolm R. Schuler, et al.

Docket No.

90065.161701

Serial No.  
TBAFiling Date  
HerewithExaminer  
P. Coe (Recommended)Group Art Unit  
1746Invention: **POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A MULTIPLE PASS  
CONFIGURATION**

I hereby certify that the following correspondence:

**Specification, Claims, and Abstract from Prior Original Application (12 pgs)***(Identify type of correspondence)*

This is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on  
December 6, 2001  
*(Date)*

**Penny R. Turrell***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EL799800555US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Malcolm R. Schuler, et al.**

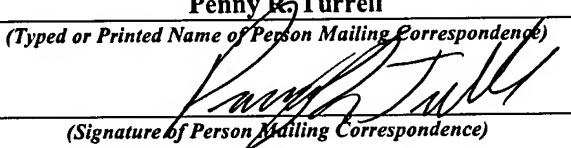
Docket No.

**90065.161701**Serial No.  
**TBA**Filing Date  
**Herewith**Examiner  
**P. Coe (Recommended)**Group Art Unit  
**1746**Invention: **POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A MULTIPLE PASS CONFIGURATION**

I hereby certify that the following correspondence:

**Four (4) Sheets of Formal Drawings (Identified)***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on  
**December 6, 2001**

*(Date)***Penny R. Turrell***(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)***EL799800555US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Malcolm R. Schuler, et al.

Docket No.

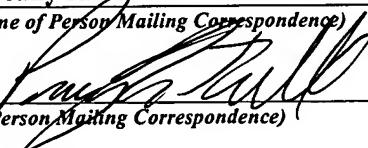
90065.161701

Serial No.  
TBAFiling Date  
HerewithExaminer  
P. Coe (Recommended)Group Art Unit  
1746Invention: **POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A MULTIPLE PASS CONFIGURATION**

I hereby certify that the following correspondence:

**Copy of Prior Application Combined Declaration/Power of Attorney (Executed) (6 pgs)***(Identify type of correspondence)*

This being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on  
December 6, 2001  
*(Date)*

Penny R. Turrell*(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)*EL799800555US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Docket No.

Applicant(s): Malcolm R. Schuler, et al.

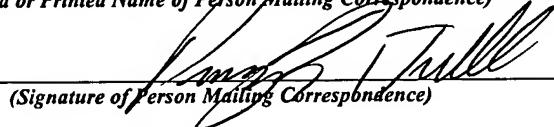
90065.161701

Serial No.  
TBAFiling Date  
HerewithExaminer  
P. Coe (Recommended)Group Art Unit  
1746Invention: **POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A MULTIPLE PASS  
CONFIGURATION**

I hereby certify that the following correspondence:

**Copy of Prior Application Recorded Assignment to Intersil Corporation (8 pgs)***(Identify type of correspondence)*

This being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

December 6, 2001*(Date)*Penny R. Turrell*(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)*EL799800555US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**